CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION

J-6
DISTRIBUTION: A,B,C,J,S

CJCSI 6260.01 CH-1
15 September 1998

JOINT WARRIOR INTEROPERABILITY DEMONSTRATIONS

References: See Enclosure F.

1. Purpose. This instruction establishes guidelines and assigns responsibilities for planning and executing Joint Warrior Interoperability Demonstrations (JWIDs).

2. Cancellation. None.

3. Applicability. This instruction applies to the Joint Staff, Military Services, combatant commands (CINCs), and Federal agencies in support of the Chairman of the Joint Chiefs of Staff.

4. Policy

   a. General. JWIDs are Joint Staff-sponsored demonstrations of evolving C4ISR technologies and joint/combined interoperability solutions. The capabilities and C4ISR processes are presented to the combatant commands, Services, and agencies in a joint operational environment that allows the warfighters of all Services to assess their value in solving current warfighting and interoperability deficiencies, and recommend them for implementation or further refinement.

      (1) Industry, government agencies, government and private research projects, and evolving government programs provide self-funded proposed demonstrations to be assessed by the warfighters.

(2) JWID provides a structure where C4ISR capabilities and processes are rigorously vetted and assessed by the warfighter for usefulness, performance, and usability. Assessed capabilities that improve interoperability or solve warfighting deficiencies are proposed for further assessment by the Joint Battle Center (JBC) and/or the Joint Interoperability Test Command (JITC) or for rapid insertion for warfighter use or are added to the Joint Warfighting Capability Assessment (JWCA)/Joint Requirements Board (JRB)/Joint Requirements Oversight Council (JROC) process (Enclosure E). JWIDs are integral components of the C4I for the Warrior (C4IFTW) concept (reference a) and the Joint Vision 2010 (JV 2010) conceptual template (reference b).

   b. <u>Concept</u>. The J\1VID process is a 2-year cycle.

(1) During the first or theme year, C4ISR technology demonstrations will be requested from commercial and government agencies to solve specific interoperability and warfighting deficiencies, will be selected for participation, and will be assessed by the warfighters in an operational environment by the combatant commands and Services. Each demonstration will be categorized based on the results of the assessment in accordance with Enclosure E.

(2) During the second or exploitation year, new operational concepts or technical solutions are further refined. Promising technologies will be enhanced and/or further assessed with the intent of making them ready for acquisition as interoperable solutions. Selected JWID Gold Nuggets, defined in Enclosure E, will receive verified concepts of operation (CONOPs), standard operating procedures (SOPs), tactics, techniques, and procedures (TTPs), and will be distributed to the warfighters. Doctrinal changes are recommended and inserted where necessary. The exploitation year will provide an opportunity to assess other demonstration technologies that are not ready for acquisition but may be of value for future use.

(3) The Joint Staff directs each biennial JWID, with support from Federal agencies, allied nations, C4ISR industries, and Active and Reserve components. The host role is assigned to a combatant command, and is rotated every 2 years (Enclosure C). The responsibility for planning, coordinating, and executing a JWID is also rotated each cycle and is assigned to a Military Service, designated the "lead Service." The lead Service establishes a JWID joint project office (JJPO) to manage the program for its cycle. The JJPO will plan, execute, and manage funds allocated for setup, testing, and rapid insertion. Additional information on the lead Service responsibilities is in Enclosure C.

(4) Day-to-day oversight of all activities associated with JWIDs is the responsibility of the JJPO, with guidance from the Senior Management Group (SMG) The SMG is chaired by the JJPO Director and is composed of voting membership from the Joint Staff, Defense Information Systems Agency (DISA), host combatant

command, and Services. Additional information on the SMG is included in Enclosure C.

(5) The diverse JWID membership requires a variety of documents for management purposes. The most essential documents are the campaign plan, operations plan, operations order, and guidebook. The lead Service will oversee the development of these documents, on an as-required basis, through its JJPO in coordination with the host combatant command, Joint Staff J-6, and a particular JVVID Working Group (Enclosures B. C, and D). Other responsibilities will be assigned among participating US military and Federal organizations. Allied participation within NATO or Combined Communication Electronics Board (CCEB) alliances will be by invitation from the Joint Staff.

(6) Commercial C4ISR industry participation will be predicated upon self funding, a military or Federal organization sponsorship, and demonstrated direct relevance to JWID goals and objectives. Specific selection criteria will be published at the start of the theme year in a Commerce Business Daily (CBD) request for information (RFI). Limited responsibilities may be levied on commercial C4ISR participants when and where their involvement is determined to be appropriate and relevant. An assessment will be conducted during the JWID to determine the value added by each demonstration.

c. Goals and Objectives

(1) The central JWID goal is to identify and solve warfighting deficiencies through the identification of potential investment strategies for future solutions and limited rapid insertion of low-cost, low-risk technology solutions (Gold Nuggets). Specific goals are refined each cycle at the outset of the JVVID theme year. The goals focus on enhancing the joint warfighter's ability to plan, coordinate, and execute a mission in a Joint Task Force (JTF) environment. The aim will be to dedicate approximately one-third of the effort to solving infrastructure interoperability deficiencies. The specific goals will be closely tied to the tenants of references a and b and reflect the overarching focus for that JWID cycle.

(2) The central objective of the JWID process is to solve critical deficiencies in theme and exploitation years. These deficiencies are identified in existing documentation such as CINC integrated priority lists (IPLs), CINC urgent needs operational requirements lists, command and control joint warfighting capabilities assessment (C2 JWCA) "Crown Jewels" mission needs statements (MNSs) and Joint Monthly Readiness Reports (JMRRs). Although some specific objectives carry over from previous JWIDs, many new ones are considered and evaluated each cycle.

(3) The approval authority for goals and objectives remains with the Joint Staff, J-6, in coordination with representatives from the host combatant command. The goals and objectives are developed and proposed to the Joint Staff. Demonstrations

selected for JWID presentation must relate directly to objectives. To ensure CINCs, Services, and agencies are informed, the SMG will provide a list of the approved demonstrations to the US Military Communications-Electronics Board (MCEB) Interoperability Improvement Panel (IIP) for review.

(4) The SMG is the governing body for JVVID and is the forum for the Services, DISA, CINCs, and Joint Staff to manage the overall direction and funding accountability for JWID. The MCEB IIP functions as an adjudicating body and collateral counsel. The SMG determines if subordinate JWID working groups or external organizations are best suited to further assess JWID first runners-up. For instance, the Joint C4ISR Battle Center (JBC) would assess operational issues, and the Joint Interoperability Test Command (JITC) would assess technical issues.

d. Funding

(1) The JJPO centrally manages funding for biennial JWID cycles following SMG approval of the annual JWID Spend Plan. Ten million dollars (in FY 1998 dollars) will be allocated per year (applies to both theme and exploitation years). The apportionment is approximately -- Joint Staff (24 percent), DISA (19 percent), USAF (17 percent), USN (17 percent), USA (17 percent), USMC (6 percent). Upon receipt of annual appropriations, funding will be forwarded to the lead Service.

(2) In a theme year, the JJPO will distribute funding to the designated JTF staff, working groups, and lead Service to accomplish the demonstration process. This funding is intended to cover costs necessary to associated planning, set up, interconnecting, executing, and tear down of primary site communications or networking efforts costs and includes fees for services under the Defense Capital Working Fund (DCWF) initiative, unless specifically identified as a strategic connectivity service.

(3) In an exploitation year, funds will be dedicated to distributing the Gold Nuggets designated in the previous JWID, then refining first runners-up, and capitalizing on new opportunities to further enhance C4ISR interoperability. Normally, all JWID costs associated with Service supported sites, transportation, travel, and per diem will be funded by demonstrations, participants, Services or the host combatant command.

(4) Exceptions to this policy include JWID costs incurred by the lead Service JJPO and the host CINC JTF staff, which may be reimbursed from the central JWID funding account. Additional funding information is included in Enclosure C.

5. Procedures. This instruction will be reviewed biennially by the Joint Staff J-6 for currency. Revisions and changes to this instruction will be published as required.

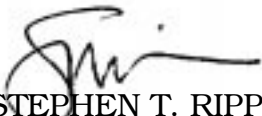6. Definitions. See Glossary.

7. Responsibilities and Special Guidance. See Enclosure C.

8. <u>Releasability.</u> This instruction/manual/notice is approved for public release; distribution is unlimited. DOD components (to include the combatant commands), other Federal Agencies, and the public may obtain copies of this instruction/manual/ notice through the Internet from the CJCS Directives Home Page -- http://wwwdtic.mil/doctrine/jel/cjcsd.htm. Copies are also available through the Government Printing Office on the Joint Electronic Library CD-ROM.

9. <u>Summary of Changes.</u> None.

10. <u>Effective Date</u>. This instruction is effective upon receipt.

For the Chairman of the Joint Chiefs of Staff:

STEPHEN T. RIPPE
Major General, USA
Vice Director, Joint Staff

Enclosures:
    A--Organizational Chart
    B--Working Groups
    C--Responsibilities and General Guidance
    D--Documents
    E--Categories of JWID Demonstrations
    F--References
    Glossary of Abbreviations and Acronyms
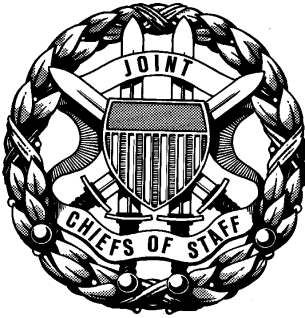
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CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION

CHANGE 1 TO CJCS INSTRUCTION 6260.01

1.   Holders of CJCSI 6260.01, 15 September 1998, "Joint Warrior Interoperability Demonstrations," are requested to make the following change:

Page Substitution

Remove Page	Add Page
1, 2	1, 2

2.   Summary of the change is as follows: Editorial change to clarify information in subparagraph 4a(2).

3.   When the prescribed action has been taken, this transmittal should be filed with the basic document.

4.   This notice is approved for public release; distribution is unlimited. DOD components (to include the combatant commands), other Federal agencies, and the public may obtain copies of this notice through the Internet from the CJCS Directives Home Page -- http://www.dtic.mil/doctrine/jel/cjcsd.htm. Copies are also available through the Government Printing Office on the Joint Electronic Library CD-ROM.

For the Chairman of the Joint Chiefs of Staff::

M. MANNING
Colonel, USMC
Secretary, Joint Staff

DISTRIBUTION

Distribution A, B. C, and J plus the following:

Enclosure A

JWID ORGANIZATIONAL CHART
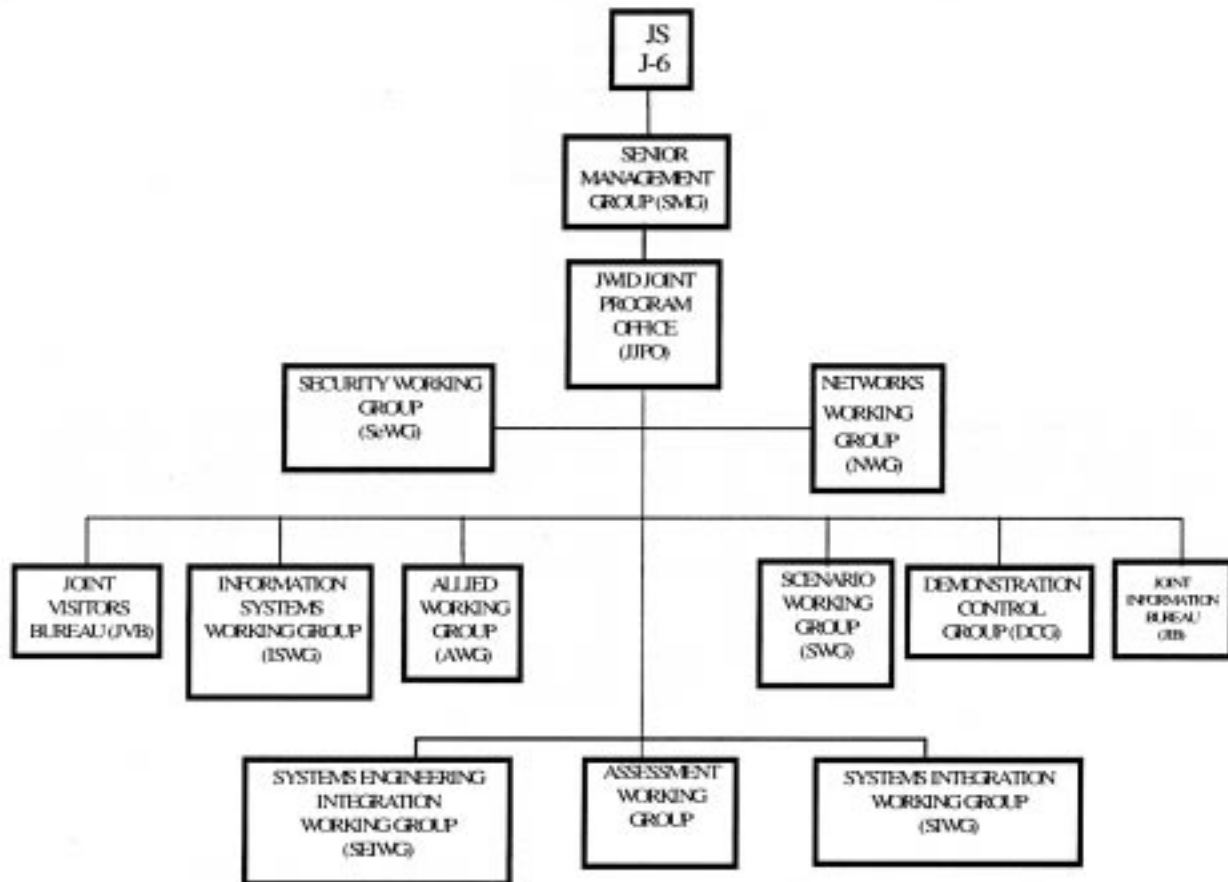
Figure A- 1. Theme Year JWID Organization

1. Figure A- 1 depicts the basic theme year management structure. It is designed to expedite the planning and coordination needed between the Joint Staff, lead Service, host combatant command, and the various working groups. Working groups are encouraged to coordinate directly with organizations while maintaining communications with SMG. Organizations subordinate to working groups will be called committees. The working group chairperson is required to coordinate the subcommittee with the SMG before it is established and incorporated as a JWID organization. General information and special guidance to these organizations and working groups are provided at Enclosures B. C, and D. The SMG must approve changes to this management structure. Working groups may be established or terminated as required by the SMG.

JWID ORGANIZATIONAL CHART

Figure A-2. Exploitation Year JWID Organization

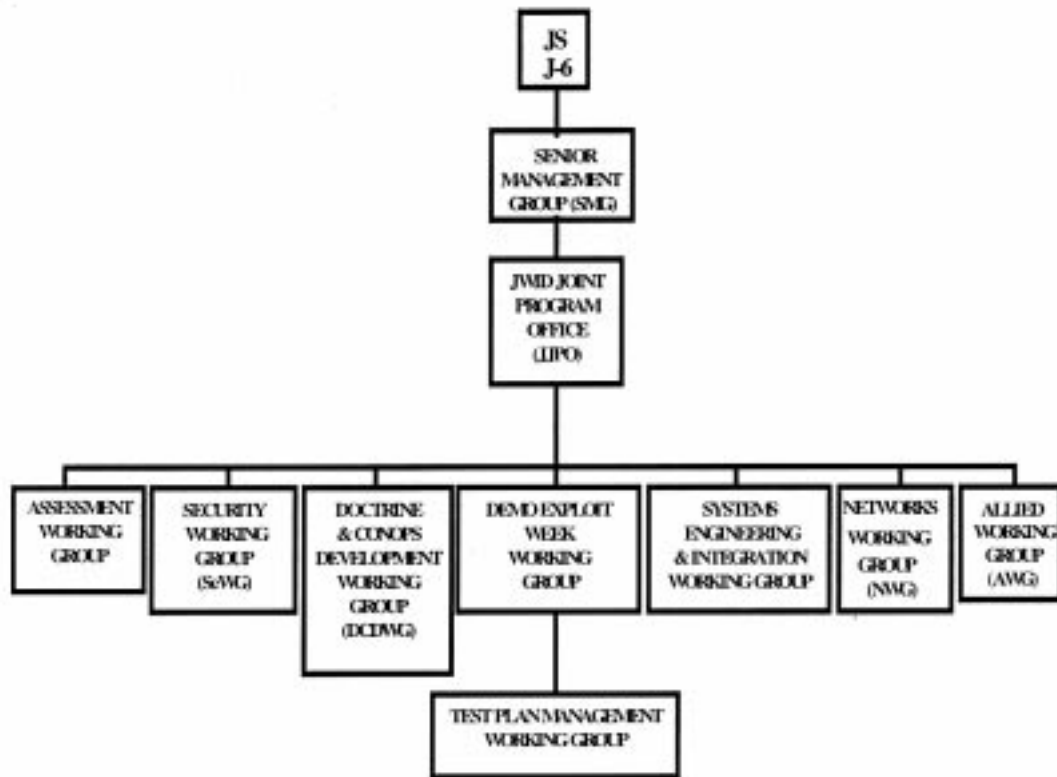Figure A-2 depicts a typical JWID organizational structure during an exploitation year where emphasis is required on distribution of Gold Nuggets, refinement of first runners-up, and development of associated doctrine, Tactics/Training/Procedures, CONOPS, etc. The SMG may tailor working groups as required to accomplish JVVID goals.

ENCLOSURE B

WORKING GROUPS

1. General

     a. The JWID governing body is the SMG. It may establish or terminate any subordinate working group. The roles of standing working groups are discussed below.

     b. The organization assigned to chair or co-chair a working group will identify the chairperson to the SMG. The chairperson is responsible to the SMG for the working group products.

     c. The organizations assigned to provide a member to a working group will identify the member to the working group chair prior to the first meeting. A member is responsible to the working group chairperson for assigned portions of the total working group effort.

     d. Any organization assigned as an advisor to a working group will provide subject matter expertise. Advisors are not responsible for the working group products.

     e. The individual designated by the lead Service as both the Director, JJPO, and SMG chairman provides the continuity for the lead Service and the host CINC. This person serves as concurrent additional duty to the Joint Staff J-6 for JWID matters.

2. Senior Management Group

   a. Chairperson. Director, JJPO.

   b. Membership. The SMG is an 06-level governing body. Representatives are from the Joint Staff J-6, host combatant command, Services, and DISA. These members are the seven permanent voting representatives. The Director, JJPO, is the chairperson and only votes as a tiebreaker. The JBC, the National Imagery and Mapping Agency (NIMA), the National Security Agency (NSA), are permanent nonvoting members of the SMG. The working group chairpersons are advisers to the SMG.

   c. Purpose.

(1) The SMG is the governing body for JWID. It finalizes all JWID goals and objectives and submits them to the host CINC for endorsement and then to the Joint Staff J-6 for approval. The SMG reviews and approves the annual JWID spending plan submitted by the JJPO.

(2) During demonstration selection, each SMG representative is entitled to one nonvoting assistant unless special circumstances exist. Working group chairpersons can advise and assist during demonstration selections. The SMG also establishes the selection criteria and selects sites for all demonstrations.

(3) During theme years, the SMG oversees JJPO operations and all activities associated with the selected demonstrations. During exploitation years, the SMG selects the most promising demonstrations that need further exploitation and determines which existing organization is best suited to complete the exploitation process.

(4) Following the guidance issued in the operations plan, the SMG validates JWID communications and network architectures, troubleshooting procedures, engineering support, and network management among participating nodes. It submits the JWID communications and network architecture for incorporation into the JWID guidebook.

(5) The following subordinate working groups support the SMG.

3. <u>Networks Working Group (NWG)</u>

   a. <u>Chairperson</u>. Network Engineer, DISA.

   b. <u>Membership</u>. Representatives are a communications planner and technical engineer from DISA, the host combatant command, other participating Services, NSA, the primary JWID demonstration sites, and technical advisors, as required.

   c. <u>Purpose</u>. Advise the SMG chairperson. Plan and engineer the JWID network, to include COMSEC and satellite communications. The NWG will form the nucleus of the Joint Communications Control Center (JCCC) or the Coalition Communications Control Center (CCCC or "Quad C").

4. <u>Security Working Group (SecWG)</u>

   a. <u>Chairperson</u>. Lead Service.

   b. <u>Vice Chairperson for INFOSEC</u>. DISA.

c. Membership. Representatives are from the Joint Staff, host combatant command, lead Service, other participating Services, NSA, the demonstration sites, other applicable participants as determined by the chairperson, as well as technical advisors, as required.

d. Purpose. The group develops coordinates coalition-wide security policy and processes and obtains the security approval to conduct activities during theme and exploitation year cycles. The group also develops the security policy and the security approval packet for the appropriate authorities.

5. Demonstration Control Group (DCG)

a. Chairperson. Lead Service.

b. Membership. Representatives are from the Joint Staff, the host combatant command, the lead Service, other participating Services, and the demonstration sites.

c. Purpose. The group provides guidance for the coordination and execution of demonstrations, and ensures that each meets outlined objectives. The DCG assists the operational participants by managing the demonstrations and facilitating execution within the JVVID operational environment/scenario. The DCG provides guidance to the assessment team on conducting technical and functional assessment of all JWID demonstrations.

6. Systems Engineering Integration Working Group (SEIWG)

a. Chairperson. Lead Service.

b. Membership. Representatives are from lead Service, host combatant command, NWG, SeWG, ISWG and SIWG chairpersons. Advisors are nominated as needed.

c. Purpose. The group coordinates the NWG, SeWG, DCG, SIWG, ISWG efforts and the demonstrations. Provides an overarching review of applications, hardware, data, and data source availability required across the demonstrations.

7. Systems Integration Working Group (SIWG)

a. Chairperson. DISA.

b. <u>Membership</u>. The representatives are lead Service, other participating Services, the host combatant command, site engineers, invited allies, and selected demonstration representatives. Advisors are nominated as needed.

c. <u>Purpose</u>. The group advises the SEIWG. Ensures technical integration of systems and networks through adoption of common standards and conventions.

8. <u>Information Systems Working Group (ISWG)</u>

a. <u>Chairperson</u>. Lead Service.

b. <u>Membership.</u> Representatives are from the Joint Staff J-6, host combatant command, the lead Service, other participating Services, and technical advisors, as required.

c. <u>Purpose</u>. The group develops information systems architectures that support SMG-stated JWID goals and objectives. Facilitates the implementation of JVVID architectures through the integration and engineering of existing and evolving information systems. These information systems may include programs at various stages of maturity, especially depending upon Service implementation, that will require technical expertise at various levels (i.e., network - applications) to facilitate interoperability.

9. <u>Scenario Working Group (SWG)</u>

a. <u>Chairperson</u>. Host combatant command.

b. <u>Membership</u>. Representatives are from the Joint Staff, the host combatant command and components, supporting command staff, the lead Service, and the Military Services.

c. <u>Purpose.</u> The group develops and provides a coherent operational environment and scenario that can be logically supported within the host command's mission area. The products developed by this group form the framework for operational relevance, enabling participants to demonstrate and assess their capabilities in a realistic context.

10. <u>Joint Visitors Bureau (JVB)</u>

a. <u>Chairperson</u>. Lead Service.

b. <u>Membership</u>. Representatives are from each J\1VID demonstration site. Host combatant command and lead Service personnel augment this group.

c. <u>Purpose</u>. This bureau provides planning guidance and assistance for management of JWID visitors and observers.

11. <u>Joint Information Bureau (JIB)</u>

a. <u>Chairperson</u>. Lead Service.

b. <u>Membership.</u> Representatives are from each JWID demonstration site. Host combatant command and lead Service personnel may also augment this group.

c. <u>Purpose.</u> The bureau provides planning guidance and assistance with the management of JWID publicity and public media activities.

12. <u>Allied Working Group (AWG)</u>

a. <u>Chairperson</u>. Joint Staff J-6.

b. <u>Membership</u>. Representatives are from the Joint Staff J-6, DISA, NSA, host combatant command, the lead Service, participating allied countries, and technical advisors, as required.

c. <u>Purpose</u>. Provide guidance for the integration of allied demonstrations into JWID and develop common combined operations concepts and doctrine. This group coordinates with the SeWG to advise the SMG chairperson on the releasability of JWID information and technologies to allied forces.

13. <u>Assessment Working Group</u>

a. <u>Chairperson</u>. DISA.

b. Vice chairperson for warfighter-specific, high interest, items is the host combatant command.

c. <u>Membership</u>. Representatives are from the JBC, Federated Battle Lab (FBL) structure, DISA, host combatant command, lead Service, and JTF staff.

d. <u>Purpose</u>. The Group provides guidance and assists in assessing JWID demonstrations. Plans, directs, and conducts functional and value added assessment of JWID demonstrations.

14. <u>Doctrine and CONOPS Development Working Group (DCDWG)</u>

a. <u>Chairperson.</u> Lead Service.

b. <u>Membership.</u> Representatives are Services, host combatant command, Joint Staff, and other members, as required.

c. <u>Purpose</u>. The group identifies joint and combined operations C4ISR goals, objectives, and problem areas to develop appropriate doctrine, tactics, training, procedures, and CONOPS to improve the effectiveness and efficiency of C$ISR support to joint and combined operations. In addition, to support the development and assessment of these doctrine products to support the distribution of JWID Gold Nuggets.

15. <u>Test Plan Management Working Group</u>

a. <u>Chairperson.</u> Lead Service.

b. <u>Membership</u>, Representatives are Services, host combatant command, Joint Staff, and other members, as required.

c. Purpose. Develop test plans to facilitate preparation of JWID Gold Nuggets for distribution during exploitation years. Report directly to Doctrine and ONOPS Development Working Group.

ENCLOSURE C

RESPONSIBILITIES AND GENERAL GUIDANCE

1. <u>The Joint Staff</u>. The Joint Staff is the sponsor for all JWIDs. The Director for Command, Control, Communications, and Computer Systems (J-6), Joint Staff, is the senior executive for JWIDs and has primary responsibility for JWID execution. Joint Staff J-6 responsibilities are defined below.

        a. Will advise the Chairman of the Joint Chiefs of Staff on all pertinent JWID matters and prepare a memorandum for the Chairman of the Joint Chiefs of Staff that outlines annual JVVID responsibilities agreed upon by CINCs, Services, and Federal agencies (theme and exploitation years).

        b. Will coordinate and assign lead Service and host combatant command responsibilities 24 and 18 months, respectively, before the commencement of planning for the JWID theme and exploitation years.

        c. Will coordinate the assignment of other commands that will act in subordinate JWID roles.

d. Will task DISA for technical support necessary to successfully accomplish JWID.

        e. Will prepare and extend allied invitations to participate in the JWID cycle (theme years).

        f. Will finalize and approve major JWID goals and objectives and develop a critical event time line in coordination with the lead Service and host combatant command (theme years).

        g. Will coordinate all pertinent JWID matters with appropriate Joint Staff directors and Federal agencies (theme and exploitation years).

        h. Will review and approve the J11VID CBD announcement prior to its release in coordination with the JJPO, the lead Service, host combatant command, and other SMG members (theme years).

        i. Will finalize and release the Joint Staff message soliciting participation from Services and agencies in JWID. Action is similar to the JWID CBD announcement and is accomplished in coordination with the lead Service, host combatant command, JJPO, and other SMG members (theme year).

j. Will provide the AWG chairperson (theme and exploitation years).

k. Will coordinate with the lead Service for periodic JVVID updates (theme and exploitation years).

1. Will provide members for the SMG. (theme and exploitation years).

m. Will provide guidance to the SMG concerning the selection criteria for all demonstrations. Action is performed in coordination with the lead Service and host combatant command (theme and exploitation years).

n. Will review the final version of the campaign plan (theme years).

o. Will provide a demonstration plan, in accordance with the format specified in the campaign plan, for each Joint Staff proposal that is accepted to be a JWID demonstration (theme years).

p. Will participate in the development of the (OPLAN) and operations order (OPORD) and review the final version of each (theme years).

q. Will review the guidebook for consistency with the OPLAN and OPORD and will approve the guidebook in coordination with the lead Service and host combatant command (theme years).

r. Will request and task Joint Communications Support Element (JCSE) support. Requesting organization will be responsible for funding (reference c) (theme and exploitation years).

s. Will review and approve the post-JWID assessment message (theme and exploitation years).

t. Will approve the JWID final report by endorsement and will return the report to the JJPO for publication (theme and exploitation years).

u. Will task the Joint Doctrine Center and Joint Warfare Center to assist the DCDWG in identifying goals, objectives, and interoperability problem areas in joint and combined operations for C4ISR support to the warfighter, and to identify areas where the JWID may make contributions to fulfilling JV 2010. Also, as required, to assess the impact that JWID demonstrated capabilities will have on joint operations and doctrine (theme and exploitation years).

v. Will request JBC assistance and support, when necessary, to accomplish the requirements of the lead Service and host combatant command (theme and exploitation years).

w. Will initiate program issues for presentation to the JROC and incorporate them into the C2 JWCA process to expedite acquisition of capabilities recommended for implementation.

NOTE: C2 demonstrations involving Global Combat Support System (GCSS) that are recommended for implementation must be forwarded to the appropriate GCSS Working Group in accordance with reference d. Combat support and combat service support demonstrations involving GCCS that are recommended for implementation must be submitted to the GCCS management structure in accordance with reference e (theme and exploitation years).

x. Will track and follow up on each demonstration selected as a JWID Gold Nugget and provide status information to the MCEB (theme and exploitation years).

y. Will provide annual funding to the lead Service, through the JJPO, for JWID execution (24 percent of $10M (FY98 dollars)) (theme and exploitation years).

z. Will coordinate with and assist the lead Service in determining releasability status of data and application software to invited allied participants (theme and exploitation years).

aa. Will provide policy guidance to the SMG and JVB on foreign national visitations during JWID (theme and exploitation years).

bb. Will request DISA assistance and support, as appropriate, to accomplish the requirements of the lead Service and the host combatant command.

cc. Will provide members and advisors to other working groups as required.

dd. Will ensure sites selected for JWID demonstrations are clearly identified as primary, secondary, or participating. Site types are classified as follows:

(1) Primary Site. Nominated by the participating organization and approved by the SMG. Demonstrations will be conducted and will receive JWID assessment at these sites. Only demonstrations at a primary site are

eligible to become a Gold Nugget. Representatives from the primary sites must participate in appropriate working groups (theme and exploitation years).

(2) Secondary Site. Nominated and fully supported by the participating organization, demonstrations conducted at these sites will not receive JWID assessment. Representatives from secondary sites will serve as advisors to the working groups (theme and exploitation years).

(3) Participating Site. Any site other than primary or secondary sites. Specifically, but not limited to, a site where communications connections are made, a site where a database, simulator, or application server exists. Demonstrations conducted there will not be considered a part of JWID (theme and exploitation years).

ee. Will ensure funding is provided to the lead Service to execute JWID in theme and exploitation years from the following sources in the listed percentages: Joint Staff J-6 (24 percent), USA (17 percent), USN (17 percent), USAF (17 percent), USMC (6 percent), DISA (19 percent).

ff. Will ensure C4ISR deficiencies identified by the CINCs in the JMRR process are considered as a primary source of information for identifying possible JWID objectives (theme years).

gg. Will serve as member in addition to Joint Staff J-6 responsibilities listed above, Joint Staff, J-2, responsibilities include membership on the SeWG and the DCG.

hh. Will coordinate with Joint Staff directorates on goals and objectives, demonstration proposals, and other JWID information.

ii. Will provide representation for all combatant commands other than the host combatant command and represents allied issues on the SMG.

jj. Will release hot wash message

2. <u>US Military Communications-Electronics Board Interoperability Improvement Panel (MCEB IIP).</u> The MCEB IIP is comprised of senior officers (06-level or civilian equivalent) representing the Joint Staff, Services, and Defense agencies. The Joint Staff J-6 provides the chairperson. Relative to JWID, the MCEB will:

a. Review the demonstrations selected by the SMG and provide the forum for the reconsideration of demonstrations not selected by the SMG (theme years).

b. Provide a joint forum to receive periodic updates on JWID actions (theme and exploitation years).

3. <u>Services</u>. Each Military Service will:

a. Provide a single POC to the lead Service. The POC will coordinate all Service-sponsored JWID activities and will serve as the Service representative on the SMG for theme and exploitation years.

b. Submit demonstration proposals to the lead Service in accordance with the CBD announcement and Joint Staff message (theme year).

NOTE: Service Research and Development and acquisition agencies should coordinate with parent Service prior to submitting demonstration proposals.

c. Provide a demonstration plan in the format specified in the campaign plan, for each Service proposal that is accepted to be a JWID demonstration (theme year).

d. Provide technical planning, integration, facilities, equipment, software, and operating forces necessary to conduct demonstrations sponsored by the lead Service (including essential representation in the JTF staff) in theme and exploitation years, as required.

e. Cover all JWID costs associated with Service-sponsored sites, transportation, travel, and per diem. This includes any costs of Service-proposed demonstrations that participate. The Service is responsible for costs that exceed the provided funding.

f. Provide forces to the host combatant command and lead Service to support JWID planning and setup of the operational environment in theme and exploitation years, as required.

g. Provide data collectors to support assessments at component sites, as required, in theme and exploitation years.

h. Collect lessons learned from each Service demonstration during JWID, participate in their subsequent evaluation, and submit to JJPO (theme and exploitation years).

i. Provide sponsorship to industry, as required (theme year).

j. Identify a POC to the lead Service. POC will coordinate demonstration planning, management, and assessment.

k. USA, USN, and USAF each provides lead Service 17 percent of the $10M required funding in FY 1998 dollars in both theme and exploitation years. USMC provides 6 percent.

4. <u>Lead Service</u>. JWID lead Service duties are on a rotational basis. The lead Service is responsible for planning, managing, coordinating, and executing JVVID during theme year and acquisition of Gold Nuggets during the exploitation year. The lead Service's annual contributions provide the start up money until all other monies are delivered. Lead Service will provide an 0-6 to serve for 2 years as the JWID Joint Project Office Director. In addition to paragraph 3 above, responsibilities will include managing the JJPO, providing direct oversight of JJPO matters relating to the execution of JWID, and chairing the SMG. The lead Service will also:

a. Establish, staff and equip a JJPO for the 2-year JWID cycle. Staffing will include representatives from each of the other Services. Primary responsibi- ities of the JJPO will be to:

(1) Acquire and distribute JWID Gold Nuggets within 6 months of receipt of funding (exploitation years). Provide acquisition/contracting leadership early in theme year to advise and conduct any acquisition-related tasks and to acquire demonstrations during the exploitation year.

(2) Exploit the first runners-up that were assessed as needing follow-up assessment by JBC/JITC. These demonstrations should be refined during the exploitation year to promote rapid insertion of the capability to the warfighter. The required enhancements and refinements are generally needed to deconflict or complement other demonstrations and capabilities (exploitation years).

(3) Develop associated SOP, doctrine, and CONOPS, as required, for successful Gold Nugget demonstrations (exploitation years).

(4) Ensure efficient transitions between theme year, exploitation year, and year in which the lead Service and host CINC is rotated (exploitation year).

(5) In coordination with SMG, prepare and publish the following JWID document after endorsement by the host combatant command and approval of Joint StaffJ-6:

(a) CBD announcement (theme year).

(b) Guidebook (theme year). years).

(c) Hot wash message released by Joint Staff (theme and exploitation years.

(d) JWID final report (theme and exploitation years).

(7) During exploitation years, conduct an "Exploitation Period" to resolve any questions remaining from the current, ending cycle to ensure a seamless transition to the follow-on lead Service. Examples of associated issues might include: replication, robustness, redundancy, ATM LAN, E-mail SOP, tactical requirements, COP/Link 16 latency, etc.

(8) Develop and submit an annual JWID spending plan to the SMG for review and approval (theme and exploitation years).

(9) Execute JWID funding provided by the Joint Staff J-6, DISA, Services, and other participating organizations to ensure costs remain within budget (theme and exploitation years).

(10) Gather the lessons learned collected from various sources and lead the lessons learned review.

b. Coordinate and finalize all JWID objectives in conjunction with the Joint Staff J-6, DISA, and the host combatant command (theme years).

c. With assistance from the host combatant command, design and coordinate an operational environment that will support JWID goals and objectives, (theme years).

d. Provide the chairperson for the following working groups:

(1) SMG through the Director, JJPO.

(2) Chair SeWG.

(3) DCG.

(4) SEIWG.

(5) ISWG.

(6) JVB.

(7) JIB.

e. Complete and distribute a JWID campaign plan, in coordination with the Joint Staff J-6, host combatant command, and DISA (theme years).

f. Request technical assistance from DISA, JOSE, the Joint Warfighting Center (JWFC), appropriate joint program offices, supporting commands, and industry, as required.

g. Schedule and conduct annual initial, midterm, and final JWID planning conferences (theme and exploitation years).

h. Provide electronic information retrieval services that are accessible from the Internet, NIPRNET, SIPRNET, and/or JWICS as appropriate (theme and exploitation years).

i. Prepare and provide the JWID CBD announcement and Joint Staff message prior to release, with coordination from the Joint Staff J-6 and host combatant command (theme years).

j. Prepare and provide to all sites a standard JWID overview briefing that orients observers on the operational capability and context of JWID (theme and exploitation years).

k. Provide guidance to the SMG concerning the selection criteria for each demonstration in coordination with the Joint Staff J-6 and host combatant command (theme years).

1. Send select and nonselect letters to J\7VID demonstrators (theme and exploitation years).

m. Coordinate, review, and manage the development of the OPLAN and OPORD, ensuring compliance with the guidelines of the campaign plan (theme years).

n. Provide system engineering leadership for demonstrations/capabilities being presented (theme and exploitation years).

o. In coordination with DISA, and the Joint Staff Inter-theater COMSEC Package (ICP) Manager, ensure cryptographic key management services are provided for JWID (theme and exploitation years).

p. Manage security clearances to ensure certification of individuals (participants and observers) authorized access to demonstration sites and facilities (SeWG).(theme and exploitation years).

q. Manage, schedule, and coordinate visits by distinguished visitors to each of the demonstration sites (JVB).(theme and exploitation years).

r. Prepare and distribute informative materials to JWID observers and media/press, as required (JIB).(theme and exploitation years).

s. Develop a JWID Staging Plan. The staging plan is an annex to the Oplan and provides the standard for explanation of demonstrations to observers (theme and exploitation years).

t. Develop and coordinate a JWID closure plan. The closure plan is an annex of the operation plan that ensures the coordination and obligation of resources, facilities, and leased services (theme and exploitation years).

u. Collect lessons learned from all demonstrations presented during JWID, participate in subsequent evaluation, and submit to the JJPO (theme and exploitation years).

v. Recommend demonstrated C4ISR capabilities to the Joint Staff J-6 for inclusion in the C2 JWCA and JROC processes (exploitation years).

y. Provide a liaison officer or engineer to the NWG during planning and to the CCCC (Quad C) during operations (theme and exploitation years).

5. <u>Host Combatant Command</u>. JWID host combatant command duties are rotated on a 2-year cycle. The host combatant command defines the operational environment needed to help demonstrate emerging C4ISR technologies and potential solutions to joint interoperability issues. The host combatant command will:

a. Provide the operational staff needed to plan and execute JWID (theme and exploitation years).

b. Provide a representative to the SMG (theme and exploitation years).

c. Finalize and approve the JWID objectives in coordination with the Joint Staff J-6, DISA, and the lead Service (theme and exploitation years).

d. Provide the chairperson for the Scenario Working Group (SWG) (theme years).

e. Design the operational scenario to be used during JWID (theme years).

f. Provide guidance to SMG on the selection criteria for all demonstrations in coordination with the Joint Staff J-6, and the lead Service (theme year).

g. Provide a demonstration plan for each host combatant command proposal accepted as a JWID demonstration in accordance with the format specified in the campaign plan (theme year).

h. Participate in the operation plan, operation order, and guidebook development and approval (theme year).

i. Task appropriate subordinate forces to participate in JVVID. When appropriate, identify the JTF commander platforms and any special support requirement needed for the scenario and employment during JWID (theme and exploitation years).

j. Request JCSE support based upon anticipated requirements (theme and exploitation years).

k. Review the JWID CBD announcement and Joint Staff message prior to release and coordinate with Joint Staff J-6, the lead Service, and the SMG (theme year).

l. Cover host combatant command costs that exceed the funding provided for the JTF staff (theme and exploitation years).

m. Provide sponsorship to industry, as required (theme year).

n. Collect lessons learned from all demonstrations presented by the command during JWID, participate in the subsequent evaluation, and submit to the JJPO (theme year).

o. Coordinate and submit all required frequency and satellite access requests (theme and exploitation years).

p. Provide a liaison officer or engineer to the NWG during planning and to the CCCC during operations.

q. Assist in COMSEC theater planning as required.

6. <u>DISA</u>. DISA will perform the support functions listed below. Other functions, as requested in support of the lead Service or host combatant command must be funded by the requesting organization. DISA will:

a. Provide a DISA JWID project office to coordinate and integrate DISA activities or services (theme and exploitation years).

b. Provide member to the SMG.

c. Provide chairperson, communications planner, and technical engineer to the NWG (theme and exploitation years).

d. Provide chairperson to the SIWG. DISA would not be charged with the responsibility of making dissimilar systems seamlessly interoperable, but to interact with program sponsors so that the maximum interoperability can be achieved without reengineering programs in the near term. The intent is to avoid interoperability divergence and identify the possible basis for future joint and combined system convergence (theme and exploitation years).

e. Provide vice chairperson on the SeWG. Provide information system security (INFOSEC) and defensive information operations (information assurance) expertise to support the SeWG (theme and exploitation years).

f. Provide membership for the AWG.

g. Provide administrative services, staff, and host facilities for SMG meetings, if required (theme and exploitation years).

h. In coordination with Joint Staff J-6, lead Service, and host combatant command, provide inputs, as tasked, to the following J\)VID documents (theme year):

(1) CBD announcement.

(2) Guidebook.

(3) Hot wash message (released by the Joint Staff).

(4) JWID Final Report.

i. Provide a demonstration plan in the format specified in the campaign plan for each DISA proposal that is accepted to be a JWID demonstration (theme year).

j. Serve as the technical integrator for allied participation in support of Joint Staff interests and JWID objectives. Coordinate with the Joint Staff, lead Service, and host combatant command for allied involvement in JWID (theme and exploitation years).

k. Collect and prepare for the SMG demonstration selection process and disseminate all demonstration proposals that are submitted for presentation to the SMG in response to the CBD announcements and Joint Staff message (theme year).

l. Participate in the development of the OPLAN and OPORD (theme and exploitation years).

m. Coordinate for any modeling, simulation, and assessment capabilities necessary to support JWID (theme and exploitation years).

n. Maintain site drawings in a standard, electronically-accessible format (theme and exploitation years).

o. Develop the requirements assessment methodology for collecting data from each demonstration. Once collected, manage assessment data in coordination with the lead Service and host combatant command (theme and exploitation years).

p. Compile demonstration plans in an electronic format for limited dissemination and remote access, as required (theme and exploitation years).

q. When requested on behalf of the combatant command hosting JWID, provide the Director, JCCC. The JCCC staffing and technical support will primarily be provided by the NWG, the host combatant command, and lead Service.

r. Conduct functional and technical assessments of all JWID demonstrations. Publish observations, findings, and recommendations for

Joint Staff and MCEB review and possible presentation to the C2 JWCA or JROC (theme and exploitation years).

s. Collect lessons learned from all demonstrations presented during JWID, participate in subsequent evaluations, and submit to JJPO (theme and exploitation years).

t. Cover the DISA costs that exceed the funding provided in theme and exploitation years.

u. Provide lead Service with 19 percent of the $10M required annual funding in the theme and exploitation years.

v. Provide DII COE, GCCS, and GCSS software and infrastructure support when necessary at the primary sites.

7. Joint C4ISR Battle Center (JBC). JBC will:

a. Maintain an active role in the lead Service, JBC, and CINC interoperability demonstrations assessment partnership with respect to JTF C4ISR mission needs, mission effectiveness orientation, and capability definition and assessment. This is done through JTF experiments, demonstrations, and requirements support.

b. Serve as a host site for JWID JTF C4ISR demonstrations and assessments, as appropriate.

c. As requested by the SMG, refine those JWID first runners-up demonstrations that show promise but require additional operational input to qualify as Gold Nuggets.

8. Primary Demonstration Sites will:

a. Provide a site director, engineer, and coordinator for theme and exploitation years.

b. Establish physical and information security for the site in coordination with the SWG.

c. Provide site facility, telecommunications, and data system technical engineering support to the NWG.

NOTE: The respective demonstration site will incur all costs in excess of that allocated by the JJPO.

d. Provide technical representation, as identified by the NWG, to the JCCC.

9. <u>JWID Participants will</u>:

a. Provide a demonstration plan, in the format specified in the campaign plan, for each proposal that is accepted to be a J17VID demonstration in theme and exploitation years.

b. Provide demonstration assessment data to JJPO and DISA for JWID lessons learned.

c. Fund any costs associated with their JWID demonstrations. This includes all the demonstration plan, set up, interconnect, execute, and tear down costs and any associated travel, transportation, and per diem costs, as well as any communications or networking costs beyond those provided by DISA or the JJPO.

d. Provide training to operators, as required.

e. Fully participate in JWID planning and execution in theme and exploitation years.

ENCLOSURE D

DOCUMENTS

1. <u>Joint Chiefs of Staff (JCS) and Commerce Business Daily (CBD) Announcements</u>. These documents constitute the formal solicitations for JWID demonstrations. They contain the JWID operational environment, scenario, objectives, selection criteria, and the proposal submission procedure. The JCS announcement solicits demonstration proposals from CINCs, Services, and agencies. The Joint Staff J-6, in coordination with the lead Service and host combatant command, releases the announcements. The CBD announcement solicits demonstration proposals from industry. It is developed by the JJPO in coordination with the Joint Staff J-6 and the Department of Commerce.

2. <u>JWID Campaign Plan</u>. Developed by the lead Service in coordination with the JJPO, the Joint Staff, and the host combatant command, this plan establishes the philosophy and management guidance for JVVID. It provides general direction and guidance to supporting agencies and participants, outlines goals and objectives, delineates responsibilities not specified in this instruction, provides formats for proposals and demonstration plans, describes both years in the JWID process, and identifies critical milestones.

3. <u>JWID Operations Plan (OPLAN).</u> This plan is developed by the lead Service in coordination with the Joint Staff, the JJPO, the host combatant command, and the Services. It is the guiding document for JVVID execution. In addition, it describes C4ISR architectures, demonstration site locations, operational environment, and supporting staff responsibilities in accordance with the guidelines outlined in this instruction and the campaign plan.

4. <u>Allied Forces Concept of Operations (CONOPS).</u> The Joint Staff, in coordination with the lead Service and host combatant command, develops the Allied CONOPS. As an annex to the OPLAN, it provides an overview of allied participation and outlines special security actions to be followed.

5. <u>JWID Operations Order (OPORD)</u>. The OPORD is the guiding document for scenario execution. The OPORD is developed by the lead Service with primary input from the SWG, along with input from the Joint Staff, the staff of the host combatant command, and the Services. The OPORD orchestrates key JWID events and showcases the demonstrations and joint interoperability solutions within the JWID scenario.

6. <u>JWID Guidebook</u>. Developed by the JJPO, the guidebook will serve as the sole source reference document for observers. It contains the JWID goals and objectives, a description of the operational environment, and a synopsis of each demonstration. It also includes an overview of each JWID site and the demonstrations being presented there, descriptions of the communications architecture, and a list of events scheduled during observer week.

7. <u>JWID Security Plan</u>. The security plan is an annex of the OPLAN and is developed by the SeWG. It covers INFOSEC, personnel security, physical security, system accreditation, system and network approvals to operate, and other key security issues. Security agreements among all of the participants are reached in conformance with defense and national security policies.

8. <u>JWID Staging Plan.</u> The staging plan is an annex from the OPLAN that is developed by the lead Service with input from the participants. The plan standardizes the presentation methodology and content of presentations given to observers.

9. <u>JWID Closure Plan</u>. The closure plan is an annex from the OPLAN developed by the lead Service. The plan assigns activities, responsibilities, and schedules for terminating and closing down the JWID network demonstrations.

10. <u>JWID Final Report</u>. The final report is compiled and published by the JJPO, with input from all key participants. The report consists of lessons learned, demonstration observations, assessments, and recommendations. A copy is submitted to the Joint Staff for inclusion in the Joint Lessons Learned Library.

ENCLOSURE E

POST THEME YEAR CATEGORIES OF JWID DEMONSTRATIONS

Categories of JWID demonstrations are defined as follows:

Category 1. Demonstration meets criteria to qualify as Gold Nugget: low-cost, low-risk capability ready for warfighter use now; capable of being delivered within 6 months after funding; supported by at least three Services, and DII COE and Joint Tactical Architecture (JTA) compliant.

Category 2. Demonstration is a specific Service-only winner and does not qualify as a universal joint capability. However, the demonstration is low-cost, low-risk capable of being delivered within 6 months and Service funded.

Category 3. Demonstration shows promise (first runners-up), but requires follow-up assessment by the JBC for operational refinement or the JITC for technical refinement as determined by the SMG. These demonstrations require further enhancement or refinement, possibly to deconflict or complement other demonstrations and capabilities. Results of follow-up assessments can be reinserted into JWCA, JRB, and JROC processes for decision or to subsequent JWIDs.

Category 4. Demonstration verifies significant enhancement to established programs but is not mature enough to qualify as a Gold Nugget. It may be a proof of concept that is on track but needs further refinement by the program sponsor.

Category 5. Remaining demonstrations. The sponsor will be debriefed on the findings and those findings will not be openly published.

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ENCLOSURE F

REFERENCES

a. "C4I for the Warrior," November 1997

b. "Joint Vision 2010, " May 1997

c. CJCSI 6110.01, 25 January 1996, "CJCS-Controlled Tactical Communications Assets"

d. CJCSI 6721.01 Series, "Global Command and Control Management Structure"

e. CJCS 6723.01, 1 February 1997, "Global Combat Support System Management Structure"

f. CJCSI 6212.01 Series, "Compatibility, Interoperability, and Integration of Command, Control, Communications, Computers, and Intelligence Systems"

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GLOSSARY
PART I - ABBREVIATIONS AND ACRONYMS

ATM	Asynchronous Transfer Mode
AWG	Allied Working Group
C2 JWCA	Command and Control Joint Warfighting Capabilities Assessment
C4IFTW	C4ISR for the Warrior
C4ISR	Command, Control, Communications, Computers and Intelligence
C4ISR	Command, Control, Communications, Computers and Intelligence, Surveillance and Reconnaissance
CBD	Commerce Business Daily
CCCC	Coalition Communications Control Center Or "Quad C"
CCEB	Combined Communications Electronics Board
CINC	Commander-in-Chief
CJCS	Chairman of the Joint Chiefs of Staff
CJCSI	Chairman of the Joint Chiefs of Staff Instruction
CJTF	Commander Joint Task Force
COE	Common Operational Environment
COMSEC	Communications Security
CONOPS	Concept of Operations
COP	Common Operational Picture
DCDWG	Doctrine and CONOPS Development Working Group
DCG	Demonstration Control Group
DCWF	Defense Capital Working Fund
DII COE	Defense Information Infrastructure Common Operational Environment
DISA	Defense Information Systems Agency
FBL	Federated Battle Laboratories
GCCS	Global Command and Control System
GCSS	Global Combat Support System

IIP	Interoperability Improvement Panel
INFOSEC	Information security
IPL	Integrated Priority List
ISWG	Information Systems Working Group
JBC	Joint Battle Center
JCCC	Joint Communications Control Center
JCS	Joint Chiefs of Staff
JCSE	Joint Communications Support Element
JIB	Joint Information Bureau
JITC	Joint Interoperability Test Command
JJPO	JWID Joint Project Office
JMRR	Joint Monthly Readiness Reports
JRB	Joint Review Board
JROC	Joint Requirements Oversight Council
JTA	Joint Tactical Architecture
JTF	Joint Task Force
JV-2010	Joint Vision 2010
JVB	Joint Visitors Bureau
JWFC	Joint Warfighter Center
JWICS	Joint Worldwide Intelligence Communications System
JWID	Joint Warrior Interoperability Demonstration
LAN	Local Area Network
MCEB	Military Communications Electronic Board
MCEB IIP	Military Communications Electronic Board, Interoperability Improvement Panel
MNS	Missions Need Statement
NATO	North Atlantic Treaty Organization
NIMA	National Imagery and Mapping Agency
NIPRNET	Nonclassified Internet Protocol Routing Network
NSA	National Security Agency
NWG	Networks Working Group
OPLAN	Operations Plan
OPORD	Operations Order
POC	Point of Contact

R&D	Research and Development
RFI	
SEIWG	Systems Engineering Integration Working Group
SeWG	Security Working Group
SIPRNET	SECRET Internet Protocol Routing Network
SIWG	Systems Integration Working Group
SMG	Senior Management Group
SOP	Standard Operating Procedures
SWG	Scenario Working Group
TTP	Training, Tactics, and Procedures
US	United States
USA	United States Army
USACOM	United States Atlantic Command
USAF	United States Air Force
USCENTCOM	United States Central Command
USEUCOM	United States European Command
USMC	United States Marine Corps
USN	United States Navy
USPACOM	United States Pacific Command
USSOCOM	United States Special Operations Command
USSOUTHCOM	United States Southern Command

PART II - TERMS

Commander in chief (CINC). Combatant commands: USACOM, USCENTCOM, USEUCOM, USPACOM, USSOCOM, USSOUTHCOM, USSPACECOM, USSTRATCOM, and USTRANSCOM.

Services. US Army, US Navy, US Air Force, and US Marine Corps.

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